

WHAT IS CLAIMED IS:

1. An information processing apparatus for reproducing an audio-only disk-shaped recording medium, said apparatus comprising:

reproducing means for at least reproducing an audio data signal from said audio-only disk-shaped recording medium;

storing means for storing data; and

controlling means for controlling reproduction of audio data from said audio-only disk-shaped recording medium on the basis of control information stored in said storing means;

wherein said controlling means controls the reproduction of said audio data on the basis of system controlling software stored in said storing means, said system controlling software comprising:

an application layer for converting a request from application software into a predetermined command and outputting the command; and

a driver layer having a file system layer including an audio-only file system for generating a control command to be outputted to a device driver in a device layer at least for said reproducing means to read the audio data from said audio-only disk-shaped recording

medium, to control a device corresponding to said command on the basis of said command inputted from said application layer.

2. The information processing apparatus as claimed in claim 1,

wherein said file system layer outputs to said device layer a disk-related information readout control command to read out disk-related information having predetermined information related to recorded data recorded on said audio-only disk-shaped recording medium; and

said file system layer generates a disk-related information file including additional information related to the recorded data recorded on said audio-only disk-shaped recording medium on the basis of the disk-related information outputted on the basis of said disk-related information readout control command.

3. The information processing apparatus as claimed in claim 2,

wherein said file system layer generates said disk-related information file such that said disk-related information file includes recording control information that is referred to when the recorded data recorded on said audio-only disk-shaped recording medium is to be

recorded onto another recording medium.

4. The information processing apparatus as claimed in claim 3,

wherein when said recording control information indicates that the recorded data recorded on said audio-only disk-shaped recording medium is allowed to be recorded onto another recording medium, said file system layer generates a control command to reproduce the recorded data from said audio-only disk-shaped recording medium, generates a recording control command to control another recording medium on which to record said recorded data, and outputs said generated recording control command to a device driver that controls recording means for recording the data onto said other recording medium.

5. The information processing apparatus as claimed in claim 1,

wherein said file system layer further includes an ISO 9660 file system layer for allowing a disk-shaped recording medium on which computer data is recorded on the basis of an ISO 9660 format to be reproduced by said reproducing means.

6. The information processing apparatus as claimed in claim 1,

wherein said file system layer is included in

operating system software that controls said information processing apparatus.

7. The information processing apparatus as claimed in claim 2,

wherein said disk-related information is obtained from sub-code data read from said audio-only disk-shaped recording medium.

8. An information processing method for reading an audio signal from an audio-only disk-shaped recording medium by a reproducing device and reproducing the audio signal, said method comprising:

a step for converting a request from application software into a predetermined command in a file system layer and outputting the command; and

a processing step corresponding to an audio-only file system, for generating a control command to be outputted to a device driver in a device layer at least for said reproducing device to read audio data from said audio-only disk-shaped recording medium, to control a device corresponding to said command on the basis of said command converted by said conversion and inputted.

9. The information processing method as claimed in claim 8,

wherein said file system layer outputs to said

device layer a disk-related information readout control command to read out disk-related information having predetermined information related to recorded data recorded on said audio-only disk-shaped recording medium; and

    said file system layer generates a disk-related information file including additional information related to the recorded data recorded on said audio-only disk-shaped recording medium on the basis of the disk-related information outputted on the basis of said disk-related information readout control command.

10. The information processing method as claimed in claim 9,

    wherein said file system layer generates said disk-related information file such that said disk-related information file includes recording control information that is referred to when the recorded data recorded on said audio-only disk-shaped recording medium is to be recorded onto another recording medium.

11. The information processing method as claimed in claim 10,

    wherein when said recording control information indicates that the recorded data recorded on said audio-only disk-shaped recording medium is allowed to be

recorded onto another recording medium, said file system layer generates a control command to reproduce the recorded data from said audio-only disk-shaped recording medium, generates a recording control command to control another recording medium on which to record said recorded data, and outputs said generated recording control command to a device driver that controls recording means for recording the data onto said other recording medium.

12. The information processing method as claimed in claim 8,

wherein said file system layer further includes an ISO 9660 file system layer for allowing a disk-shaped recording medium on which computer data is recorded on the basis of an ISO 9660 format to be reproduced by said reproducing means.

13. The information processing method as claimed in claim 8,

wherein said file system layer is included in operating system software that controls said information processing method.

14. The information processing method as claimed in claim 9,

wherein said disk-related information is obtained from sub-code data read from said audio-only disk-shaped

recording medium.